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In forms so simple in other respects, we might anticipate some simplicity in the nucleus. In making phylogenetic charts, there is even greater room for difference of opinion, but that room will become more and more restricted as the number of critical investigations increases. In regard to distribution, habitats, structure, and biology there is less room for dispute, and these subjects constitute the most interesting and valuable part of the book. The 271 illustrations, comprising 1284 lettered or numbered figures, are well drawn, and more than half of them are from the pen of the author.

The second volume, with its taxonomic keys, will be awaited with interest, for the cosmopolitan habit of most algae makes such keys almost as serviceable in the United States as in England.—CHARLES J. CHAMBERLAIN.

MINOR NOTICES

Ornamental trees of Hawaii.—A book³ upon the introduced trees grown for ornamental purposes in the Hawaiian Islands, containing adequate descriptions and excellent illustrations, should prove a useful and a welcome source of inspiration and instruction to the residents of Honolulu and other similarly situated towns. To those living in other lands it shows the possibilities of tropical islands for the growth of many beautiful and remarkable trees and shrubs imported from other tropical countries. Among these trees the palms and the legumes stand preeminently first in importance, each family having devoted to its presentation a score or more of plates, while nearly double that number of species are described. The other families represented are too numerous to permit of enumeration. The descriptions are non-technical but apparently quite accurate. There is no attempt at any key to genera or species, although the importance of such an aid to identification is obvious. It is to be feared that without some such assistance and in spite of the numerous good illustrations the amateur botanists of Hawaii will encounter considerable difficulty in using the volume to further their acquaintance with introduced trees.—GEO. D. FULLER.

NOTES FOR STUDENTS

Taxonomic notes.—ARTHUR⁴ has described a new genus (*Frommea*) of rusts, the type being *Uredo obtusa* Strauss on *Tormentilla erecta*.

BLAKE⁵ has described two new species of *Polygonum*, *P. achoreum* occurring from Quebec and Vermont to Minnesota, Missouri, Montana, and Saskatchewan; and *P. allocarpum* occurring along the sea coast of Maine and adjacent islands of New Brunswick.

³ ROCK, JOSEPH F., The ornamental trees of Hawaii. 8vo. pp. v+210. pls. 80. 1917. Honolulu. H.I. Published under patronage.

⁴ ARTHUR, J. C., Relationship of the genus *Kuchneola*. Bull. Torr. Bot. Club 44:501-511. 1917.

⁵ BLAKE, S. F., Two new Polygonums from New England. Rhodora 19:232-235. 1917.